## INTERNATIONAL SEARCH REPORT

tional Application No . . 'GB2004/004982

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G03B21/56 G03B21/58 G03B21/60

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  $IPC \ 7 \ G03B$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
<b>(</b>	GB 679 778 A (HERBERT AUGUSTUS STARKE) 24 September 1952 (1952-09-24)	1-3,5-8	
′	page 2	9–12	
K	US 5 140 460 A (FUKUHARA ET AL) 18 August 1992 (1992-08-18)	1,4-7	
ľ	column 6, line 41 - column 7, line 2; figures 12,13	9–12	
K	US 3 037 424 A (CAPETTA ALBERT) 5 June 1962 (1962-06-05)	1-3,5,7, 9,12	
Y	columns 1-3; figure 3	10	
K	US 5 361 163 A (MATSUDA ET AL) 1 November 1994 (1994-11-01) column 6, lines 44-65 column 13, line 15 - column 14, line 49	1-3,5,6, 11	
	-/		

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.			
Special categories of cited documents:      A' document defining the general state of the art which is not considered to be of particular relevance      'E' earlier document but published on or after the international filling date      'L' document which may throw doubts on priority claim(s) or	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance, the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> </ul>			
which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed	<ul> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"8" document member of the same patent family</li> </ul>			
Date of the actual completion of the international search  16 March 2005	Date of mailing of the international search report  04/04/2005			
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax (+31-70) 340-3016	Authorized officer Rückerl, R			

## **INTERNATIONAL SEARCH REPORT**

ional Application No . . . . , 'GB2004/004982

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.						
		Relevant to claim No.  9-12						

## **INTERNATIONAL SEARCH REPORT**

Jonal Application No
. . . . 'GB2004/004982

	nt document search report		Publication date		Patent family member(s)	Publication date
GB 67	79778	Α	24-09-1952	NONE		
US 5:	 140460	A	18-08-1992	JP	4298732 A	22-10-1992
				JP	2584125 B2	
				JP	4174829 A	23-06-1992
				JP	2507172 B2	2 12-06-1996
				JP	4179944 A	26-06-1992
US 3	037424	Α	05-06-1962	NONE		
US 5:	361163		01-11-1994	JP	3218662 B	2 15-10-2001
				JP	5224303 A	03-09-1993
				JP	2884905 B	2 19-04-1999
				JP	5297462 A	12-11-1993
				JP	3013503 B	2 28-02-2000
				JP	4355745 A	09-12-1992
				JP	2970064 B	2 02-11-1999
				JP	4366939 A	18-12-1992
				JP	2737093 B	2 08-04-1998
				JP	4338937 A	26-11-1992
				WO	9222009 A	1 10-12-1992
				KR	9702673 B	1 07-03-1997
115 4	323301	Α	06-04-1982	NONE		